10/522,990

STN-Structure Search 8/29/07

=> d ibib abs hitstr 1-2

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 2002:884510 CAPLUS

DOCUMENT NUMBER: 138:189398

TITLE: Bis(rylenedicarboximide)-a,d-1,5-diaminoanthraquinones

as unique infrared absorbing dyes

AUTHOR(S): Kohl, Christopher; Becker, Stefan; Muellen, Klaus

CORPORATE SOURCE: Max-Planck-Institut fuer Polymerforschung, Mainz,

D-55128, Germany

SOURCE: Chemical Communications (Cambridge, United Kingdom)

(2002), (23), 2778-2779

CODEN: CHCOFS; ISSN: 1359-7345 Royal Society of Chemistry

PUBLISHER: Royal So DOCUMENT TYPE: Journal

LANGUAGE: Journal English

OTHER SOURCE(S): CASREACT 138:189398

AB The preparation of a hitherto unknown class of dye compds. exhibiting three key characteristics, namely absorption in the near IR (NIR) region, high

photostability and good processability, is described.

IT 497946-31-3P

RL: PRP (Properties); SPN (Synthetic preparation); TEM (Technical or

engineered material use); PREP (Preparation); USES (Uses)

(dye; preparation of anthraquinone rylenedicarboximide derivative

near-IR-absorbing dyes)

RN 497946-31-3 CAPLUS

CN Dibenz [lmn, l'm'n'] anthra [1,2-c:5,6-c'] di [2,8] phenanthroline-1,3,7,12,14,18(2H,6H,13H,17H)-hexone, 2,13-bis[2,6-bis(1-

methylethyl)phenyl] - (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 3-A

REFERENCE COUNT:

14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1974:16448 CAPLUS

DOCUMENT NUMBER: 80:16448 TITLE: Vat dyes

INVENTOR(S): Schuhmacher, Alfred; Schmidt, Helmut PATENT ASSIGNEE(S): Badische Anilin- & Soda-Fabrik AG

SOURCE: Ger. Offen., 9 pp.

CODEN: GWXXBX

DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	DE 2212370	A1	19730920	DE 1972-2212370	19720315
	IT 979804	В	19740930	IT 1973-48731	19730312
	FR 2175957	A1	19731026	FR 1973-8855	19730313
	JP 49003926	Α	19740114	JP 1973-29554	19730315
PRIC	RITY APPLN. INFO.:			DE 1972-2212370 A	19720315
AB	The vat dyes I (R :	= PhN:NO	C6H4, Me, Ph,	or Et; R1 .neq. $R2 = H$	or BzNH),
	used to dye cotton textiles fast shades, were prepared by cyclization of the				
	anthrimides II by heating in ethanolamine [141-43-5] or ethylenediamine				
	[107-15-3] containing alkaline substances, e.g. potassium carbonate [584-08-7].				
	Thus, heating II (R = Me, R1 = BzNH, R2 = H) 35, HOCH2CH2NH2 100, and				
	K2CO3 30 parts 3 hr at 115.deg., pouring the melt into 1000 parts H2O, and				
	blowing air into the mixture gave 34 parts vat dye (I, R = Me, R1 = BzNH, R2				
	= H) [49630-09-3] dissolving in H2SO4 to give a red solution and				
	dyeing cotton fast	green :	shades. Four	other I were similarly	prepared
IT	49630-09-3P 50381-			•	• •
	50618-21-8P				
	RL: IMF (Industria	l manufa	acture); PREF	(Preparation)	

RN 49630-09-3 CAPLUS

CN Benzamide, N-(1,2,3,8,13,14-hexahydro-2-methyl-1,3,8,13-tetraoxoanthra[1,2-c]benzo[lmn][2,8]phenanthrolin-7-yl)- (9CI) (CA INDEX NAME)

RN 50381-00-5 CAPLUS

CN Benzamide, N-(1,2,3,8,13,14-hexahydro-1,3,8,13-tetraoxo-2-phenylanthra[1,2-c]benzo[lmn][2,8]phenanthrolin-9-yl)- (9CI) (CA INDEX NAME)

RN 50381-01-6 CAPLUS

CN Benzamide, N-(2-ethyl-1,2,3,8,13,14-hexahydro-1,3,8,13-tetraoxoanthra[1,2-c]benzo[lmn][2,8]phenanthrolin-7-yl)- (9CI) (CA INDEX NAME)

RN 50618-21-8 CAPLUS

CN Benzamide, N-[1,2,3,8,13,14-hexahydro-1,3,8,13-tetraoxo-2-[4-(phenylazo)phenyl]anthra[1,2-c]benzo[lmn][2,8]phenanthrolin-7-yl]- (9CI) (CA INDEX NAME)

(FILE 'HOME' ENTERED AT 13:29:28 ON 29 AUG 2007)

FILE 'REGISTRY' ENTERED AT 13:29:47 ON 29 AUG 2007

L1 STRUCTURE UPLOADED

L2 0 S L1

L3 5 S L1 FULL

FILE 'CAPLUS' ENTERED AT 13:30:26 ON 29 AUG 2007

L4 2 S L3

=> d l1

L1 HAS NO ANSWERS

L1 STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT * Structure attributes must be viewed using STN Express query preparation.

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